## PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220
X-16280.	ACTION	as well	as, where applicable, item 5 below.
International application No.	International filing date (day/mon	th/year)	(Ear::est) Priority Date (day/month/year)
PCT/US2004/037200	01/12/2004	<u> </u>	10/12/2003
Applicant			
ELI LILLY AND COMPANY			
EDI BIBLI AND COMPANI			
This International Search Report has been according to Article 18. A copy is being tra			nority and is transmitted to the applicant
This International Search Report consists	of a total of sh	eets.	
X It is also accompanied by	a copy of each prior art document	aited in this	report.
Basis of the report			
	international search was carried ou ess otherwise indicated under this		sis of the international application in the
The international this Authority (Rul		of a transla	ation of the international application furnished to
b. X With regard to any nucleo	otide and/or amino acid sequenc	disclosed	In the international application, see Box No. I.
2. X Certain claims were four	nd unsearchable (See Box II).		
3. Unity of invention is lack	king (see Box III).		
4. With regard to the title,			
X the text is approved as sul	• • • • • • • • • • • • • • • • • • • •		
the text has been establish	ned by this Authority to read as follo	ows:	
			•
5. With regard to the abstract,			
x the text is approved as sub	omitted by the applicant.		
			y as it appears in Box No. IV. The applicant th report, submit comments to this Authority.
6. With regard to the drawings,			
a. the figure of the drawings to be pu	ublished with the abstract is Figure	No	
as suggested by the	• •		
	Authority, because the applicant for Authority, because this figure bett	_	
	published with the abstract.		

Form PCT/ISA/210 (first sheet) (January 2004)

International application No.

PCT/US2004/037200

Вох	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ntion, the international search was carried out on the basis of:
	a.	type of material  X a sequence listing table(s) related to the sequence listing ;
	b.	format of material  X in written format  in computer readable form
	c.	time of filing/furnishing  X contained in the International application as filed  X filed together with the international application in computer readable form  furnished subsequently to this Authority for the purpose of search
2.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Addit	cional comments:

International Application No PCT/US2004/037200

ÎPC 7 C12N15/12 C07K14/50 A61K38/18	
According to International Patent Classification (IPC) or to both national classification and	id IDC
B. FIELDS SEARCHED	diro
Minimum documentation searched (classification system followed by classification symbol IPC 7 CO7K A61K	pols)
Documentation searched other than minimum documentation to the extent that such doc	
Electronic data base consulted during the International search (name of data base and, EPO-Internal, BIOSIS, Sequence Search, PAJ, WP	
C. DOCUMENTS CONSIDERED TO BE RELEVANT	
Category Citation of document, with indication, where appropriate, of the relevant pa	assages Relevant to daim No.
A WO 03/011213 A (ELI LILLY AND COMPANY GLASEBROOK, ANDREW, LAWRENCE; HAMMOND LISA, JA) 13 February 2003 (2003-02-1 cited in the application claims page 6, line 28 - page 7, line 10; examples page 9, line 8 - line 26	),
A WO 01/36640 A (CHIRON CORPORATION KYO UNIVERSITY) 25 May 2001 (2001-05-25) cited in the application page 8, line 22 - page 9 page 15, line 21 - page 18, line 12 page 17, line 26 - line 29	DTO 1-41
Y Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
*A* document defining the general state of the art which is not considered to be of particular relevance invites the carrier document but published on or after the international filing date  *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another clation or other special reason (as specified)  *O* document referring to an oral disclosure, use, exhibition or other means  *P* document published prior to the international filing date but later than the priority date claimed  *&* document sets that the priority date claimed  *&* document sets that the priority date claimed  *&* document sets that the priority date claimed  **Considerational sets that the priority date claimed	r document published after the international filing date priority date and not in conflict with the application but ed to understand the principle or theory underlying the rention ument of particular relevance, the claimed invention nnot be considered novel or cannot be considered to rolve an inventive step when the document is taken alone ument of particular relevance; the claimed invention nnot be considered to involve an inventive step when the cument is combined with one or more other such documents, such combination being obvious to a person skilled the art.
Date of the actual completion of the international search  24 March 2005	e of mailing of the international search report 05/04/2005
	horized officer  Le Cornec, N

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PCT/US2004/037200

C (Continue	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PC1/US2004/03/200	
Calegory •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to cla	im No.
A	WO 03/059270 A (ELI LILLY AND COMPANY; HEUER, JOSEF, GEORG; KHARITONENKOV, ALEXEI) 24 July 2003 (2003-07-24) cited in the application page 8, line 12 - line 26 claims	1-41	

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International application No. PCT/US2004/037200

#### INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 13-14, 26-27 and 36-37 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of Item 3 of It
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

Information on patent family members

International Application No
PCT/US2004/037200

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 03011213	13-02-2003	WO	03011213 A2	13-02-2003
		US	2004259780 A1	23-12-2004
WO 0136640	25-05-2001	AU	1922101 A	30-05-2001
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		WO	0136640 A2	25-05-2001
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		WO	03059270 A2	24-07-2003